

# Lean Project Management



Lean  
Management

The diagram consists of two overlapping ovals. The left oval is dark blue and contains the text 'Lean Management'. The right oval is red and contains the text 'Quality Management'. The two ovals overlap in the center, representing the intersection of the two management systems.

Quality  
Management



Culture

Lean  
Management

Culture

Quality  
Management

# Lean Project Management Principles

## Lean Management

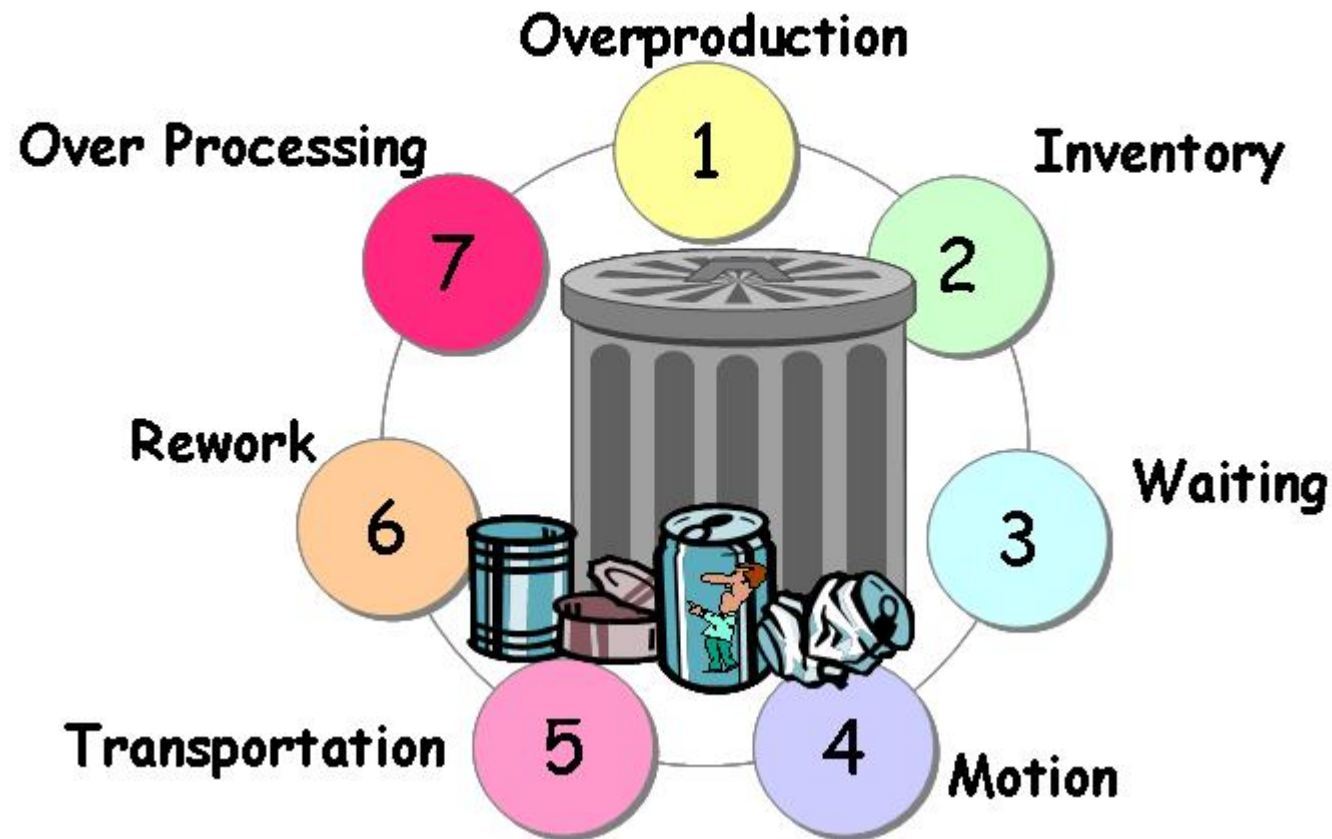
emphasizes the prevention of **waste**,

extra time, labor or material

that does not add **value** to the product or service.

# Lean Project Management

## The 7 Wastes



# Lean Project Management Principles

## Lean Enterprise

develop a company culture where employees constantly look to **improve** their skills levels and production processes.

Product and Services are driven the right amounts, to the right location, at the right time and in the right condition

# Lean Project Management Principles

## Lean Thinking

aims at the creation of a continuous stream which delivers customer value with the least waste of resources within the shortest possible time.

# Lean Project Management Principles

## Lean Goals

- Improve Quality
- Eliminate Waste
- Reduce Lead Time
- Reduce Total Costs



# Lean Project Management Principles

## Lean Goals

- Improve Quality
- Eliminate Waste
- Reduce Lead Time
- Reduce Total Costs

## Project Goals

- Complete on time
- Complete on Budget
- Meet Performance Requirements

# Lean Project Management Principles

## Lean Principles

- Specify Value
- Identify the Value Stream
- Flow
- Pull
- Perfection

# Lean Project Management Principles

## Lean Principles

- Specify Value
- Identify the Value Stream
- Flow
- Pull
- Perfection

## Lean Project Management Principles

- Eliminate Waste
- Empowerment, Respect, Integrity
- Deliver fast
- Amplify Learning
- See the whole
- Risk Management

# Lean Project Management Principles

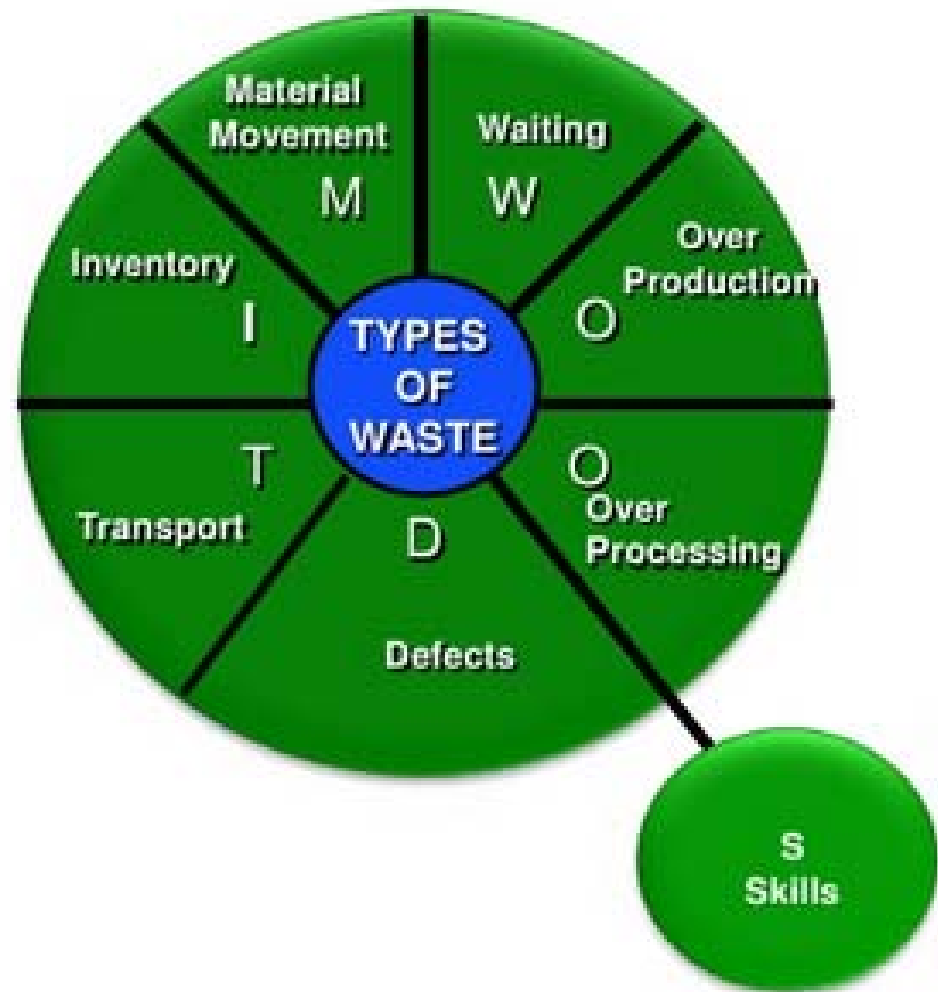
## Principles Lean Project Management

1. Identify waste – based upon needs and expectations of customers
2. Eliminate waste – based upon needs and expectations of customers
3. Amplify learning
4. Make decisions at the right time
5. Fast Delivery
6. Empower the team, build integrity
7. See the whole

# Lean Project Management Principles

## Principle 1:

Identify Waste



# Lean Project Management Principles

## **Principle 2: Eliminate Waste**

### Project as a Value Stream

- Look at a Project as a chain of Processes –  
a set of activities with inputs, processing and outputs
- Look for sets of processes (work packages) as a value stream
- Look for weak links in a project's chains
- Eliminate Bottlenecks within teams,
- Build Strong routines

# Lean Project Management Principles

## **Principle 2: Eliminate Waste**

### Lean Project Manager

- Lean project managers prefer to review the way that work elements pass between team members.
- Lean project management differentiates itself from other methodologies by emphasizing the opportunity to improve
- Focus on Dependencies not only on Deadlines

# Lean Project Management Principles

## **Principle 2: Eliminate Waste**

### Strong WBS

- Eliminating waste
- Build strong Plans
- Build strong teams that understand their value
- Build a Strong WBS
  - Responsibilities for deliverables and milestones
  - Visibility for the Project Manager to see relations



# Lean Project Management Principles

## **Principle 3: Amplify Learning**

Educate your Team

- Plan for Training
- Promote, Promote, Promote
- Show successful experiences
- Create a productive workplace
- Stimulate idea generation

# Lean Project Management Principles

## **Principle 3: Amplify Learning**

Rapidly Explore Activities

Explore multiple alternatives

# Lean Project Management Principles

## **Principle 4: Make decisions at the right time in the right way**

Determine the time for decisions

Decision based upon facts

# Lean Project Management Principles

## **Principle 5: Fast delivery**

Critical path method to support delivery

# Lean Project Management Principles

## **Principle 6: Empowerment, Respect, Integrity**

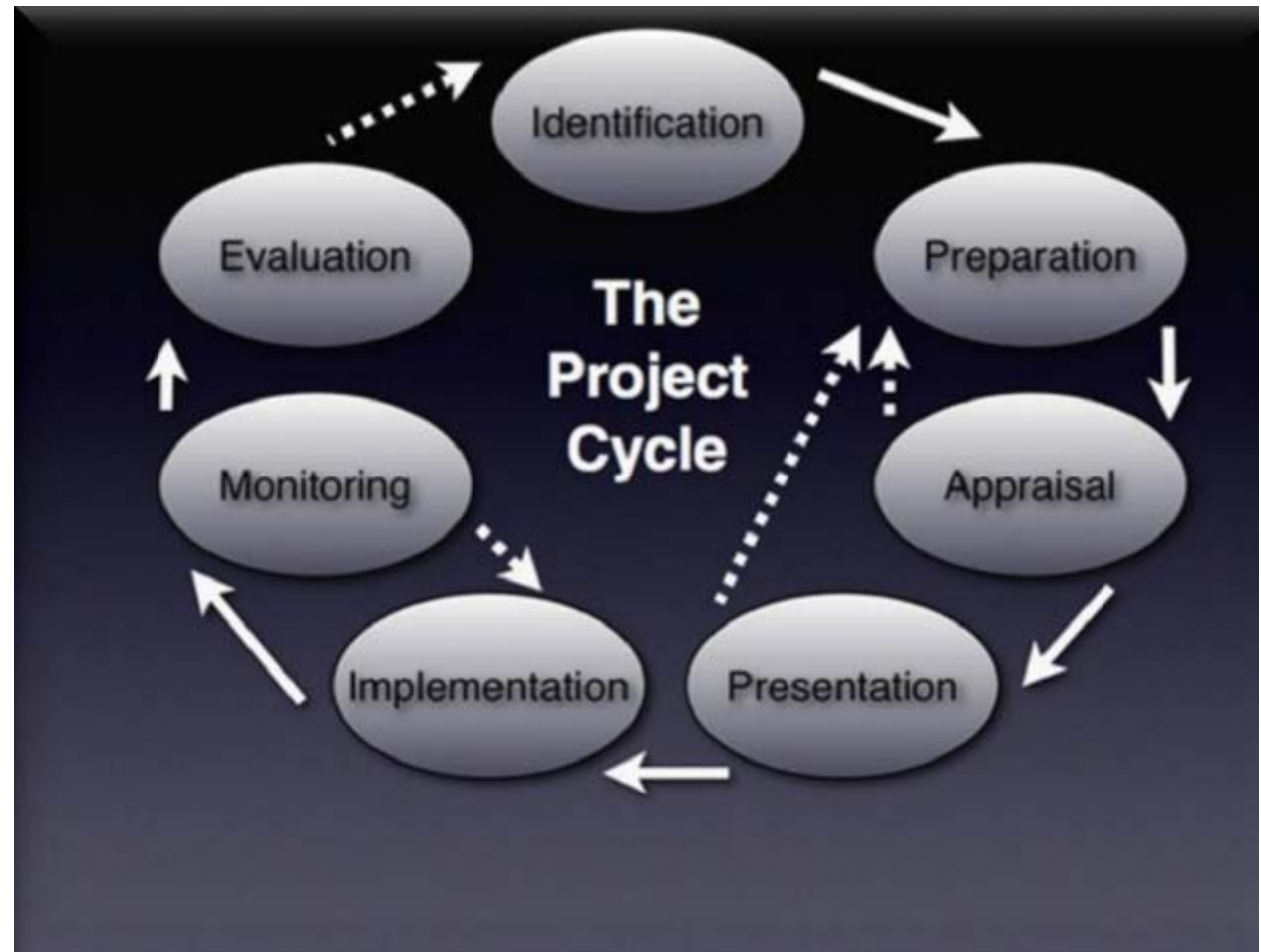
Where to start?

- Customer Needs?
- Customer Requirements?
- Financial Performance?
- Customer Satisfaction?

# Lean Project Management Principles

## Principle 7:

**See the  
Whole**



# Lean Project Management Principles

## **Principle 7: See the Whole**

### Strong Project Chartering

- The Project Charter is the tool to get people aligned on understanding the Project
- Look for new opportunities
- Free team from unnecessary tasks (non-value Tasks)
- Get all stakeholders to agree on it

# Quality management principles





# Quality Management Principles



Principle 1 – Customer focus



Principle 2 – Leadership



Principle 3 – Involvement of people

Principle 4 – Process approach



Principle 5 – System approach to management



Principle 6 – Continual improvement

Principle 7 – Factual approach to decision making



Principle 8 – Mutually beneficial supplier relationships

# Quality Management Principles

## Principle 1 – Customer focus



Organizations depend on their customers and therefore should understand current and future customer needs, should meet customer requirements and strive to exceed customer expectations.

# Quality Management Principles

## Principle 2 – Leadership



Leaders establish unity of purpose and direction of the organization. They should create and maintain the internal environment in which people can become fully involved in achieving the organization's objectives.

# Quality Management Principles

## Principle 3 – Involvement of people



People at all levels are the essence of an organization and their full involvement enables their abilities to be used for the organization's benefit.

# Quality Management Principles

## Principle 4 – Process approach



A desired result is achieved more efficiently when activities and related resources are managed as a process.



# Quality Management Principles

## **Principle 5 – System approach to management**



Identifying, understanding and managing interrelated processes as a system contributes to the organization's effectiveness and efficiency in achieving its objectives.

# Quality Management Principles

## Principle 6 – Continual improvement



Continual improvement  
of the organization's overall performance  
should be a permanent objective  
of the organization.

# Quality Management Principles

## **Principle 7 – Factual approach to decision making**



Effective decisions  
are based on  
the analysis of data  
and information



# Quality Management Principles

## **Principle 8 – Mutually beneficial supplier relationships**



An organization and its suppliers are interdependent and a mutually beneficial relationship enhances the ability of both to create value

# Case Study

